

Please add the following claims.

¹⁷
~~12.~~ (New) A method comprising forming a polyacrylamide gel capsule in a tissue of a mammal wherein the capsule is adapted for cultivating transplanted autologous or xenogenous cells for a period of time.

¹⁸
~~13.~~ A method according to claim ¹⁷~~12~~, wherein the mammal is a human.

¹⁹
~~14.~~ A method according to claim ¹⁸~~13~~, wherein the mammal suffers from a pathology and the method comprises cultivating in said polyacrylamide gel capsule transplanted autologous or xenogenous cells that aid in treating the pathology.

²⁰
~~15.~~ A method according to claim ¹⁹~~14~~, wherein the pathology is diabetes mellitus.

²¹
~~16.~~ A method according to claim ¹⁹~~14~~, wherein pancreatic β -cells are cultivated in said polyacrylamide gel capsule.

²²
~~17.~~ A method according to claim ²¹~~16~~, wherein the pancreatic β -cells are cells from newborn rabbits or young pigs.

²³
~~18.~~ A method according to claim ¹⁷~~12~~, wherein the polyacrylamide gel capsule is formed by subcutaneous injection of a polyacrylamide gel into the mammal.

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